Philips
plasma monitor

42"
WVGA

BDS4241V

Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

State of the art, cost effective plasma monitor specially designed for indoor public display applications. The high class scaler, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Optimized for public viewing
- 3D combfilter separates colors for a razor-sharp image
- Extremely high contrast (10000:1) & brightness (1500 cd/m²)
- Motion compensated deinterlacing

Lower total cost of ownership
- DVI cable included to provide highest picture quality
- Long expected panel lifetime of over 60.000 hours

Operational flexibility for different applications
- Monitor is network controllable for remote management
- Multiple PC input formats up to WXGA
- Multiple video input formats up to SXGA and HDTV compatible
- Quiet and reliable fanless operation

PHILIPS
sense and simplicity

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Specifications

Picture/Display
- Display screen type: WVGA Plasma panel
- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: 852 x 480p
- Effective viewing area: 920 x 518mm
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1500 cd/m²
- Contrast ratio (typical): 10000:1
- Display colors: 16.7 Million colors
- Viewing angle (h / v): >160 / >160 degree
- Horizontal Scanning Frequency: 30-80 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive Scan

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75Hz
800 x 600	60, 72, 75Hz
848 x 480	60Hz
1024 x 768	60, 70, 75Hz
1280 x 1024	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Connectivity
- PC: DVI-D x1, RS232 D-Sub9, VGA-in D-Sub 15HD
- Audio input for PC: Audio Left/Right (RCA 2x)
- Audio input for DVI: Audio Left/Right (RCA 2x)
- AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R) x1, S-video x1
- AV 1: Audio L/R in, CVBS in
- AV 2: Audio L/R in, CVBS in
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Audio output: Speaker output 2x 6.3mm jack

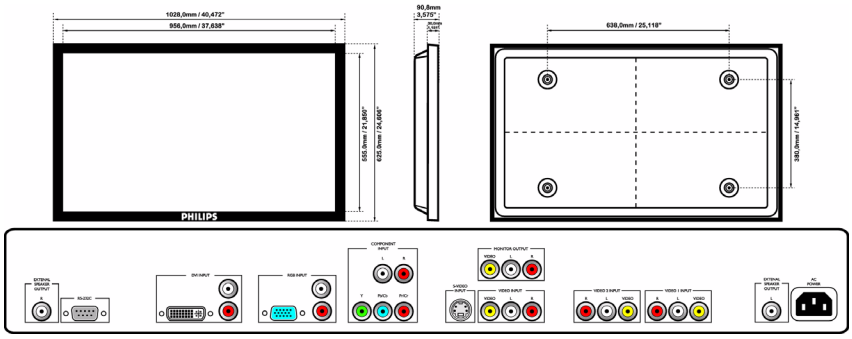
Convenience
- Convenience Enhancements: On-screen Display
- Monitor Controls: Left/Right, Menu (OK), Power On/Off, Source Select, Up/Down, Volume control
- OSD Languages: English, French, German, Italian, Spanish, Dutch
- Built-in Audio: Built-in amplifier and 10 Watts RMSx2 stereo speakers
- Network controllable: RS232
- Screen saving functions: Pixel shift, Image reverse
- Placement supported: Portrait, Landscape
- Regulatory Approvals: FCC Class B, TÜV, UL/cUL, RoHS

Power
- Consumption: 240 Watts (typical)
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: 5 Watts Max.

Dimensions
- Dimensions (without base) (W x H x D): 1028 x 625 x 89.8 mm
- Set dimensions in inch (W x H x D): 40.472 x 24.606 x 3.535 inch
- Mounting hole pattern (H x V): 638 x 380 mm
- Product weight: 29 kg
- Product weight (lb): 63.934
- Lifetime to 50% brightness: 60000 hr
- Temperature (operation): 0°C to +40°C
- Temperature (storage): -20°C to +60°C
- Temperature range (operation): +32°F to+104°F
- Temperature range (storage): -4°F to 140°F
- Relative Humidity: 20% - 80%

Accessories
- Included Accessories: Table top stand, DVI-D cable, VGA cable, Remote Control, Battery, AC Power Cord
- User Guide on CD-ROM: (RS232 protocol included)
- User Manual: English

Miscellaneous
- Bezel: Metallic Antracite



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Product highlights

Free DVI cable
A DVI cable is standard included with the display to provide the highest possible picture quality.

3D Combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

Multiple PC input formats
The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

Multiple video input formats
In common use video content is often supplied in various formats in different resolutions and aspect ratios. Thus the content needs to be reformatted for optimal display on given screen resolution. A high class scaler guarantees optimal reformatting of any video format up to SXGA.

Long expected panel lifetime
In public display applications 24/7 operation is often required. Even after 60000 hours of operation the brightness level of the display will be at least 50% of the initial value.

Fanless operation
A system without fans is quiet and doesn't collect dust inside the monitor. No moving parts inside the monitor will thus improve the reliability of the product.

Extremely high contrast
High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

Motion comp. deinterlacing
Motion compensated deinterlacing employs a smart deinterlacing algorithm that uses the images in a digital memory to measure and estimate the motion speed and direction of objects to creates new fields with corrected motion positions so video content has perfectly smooth, judder-free, and razor-sharp moving images.